

CLAIMS WITHOUT MARKINGS

Amend the claims as follows:

Insert the following new claim:

Sub C
31 13(New) An electrode array for use in a cochlear implant to be implanted in a patient having evenly spaced aural receptors disposed at equal distances, said electrode array comprising electrodes selectively positioned longitudinally along said electrode array at different spacings along the length of the array, said spacings being selected to match the positions of the electrodes at least approximately with the locations of said evenly spaced aural receptors.

Amend the remaining claims as follows:

Sub C
32 2 (Amended) An electrode array according to claim 13 wherein the spacing between adjacent electrodes is less at an apical end of the electrode array than at a basal end.

Sub C
33 3 (Twice Amended). An electrode array according to claim 13 or 2 further comprising one region and another region, said one region having electrodes which are spaced from each other differently to electrodes from said other region of said electrode array.

Insert the following new claim:

Sub C
34 14 (New). An electrode array for use in a cochlear implant to be implanted in a patient having evenly spaced aural receptors disposed at equal distances along the organ of Corti, said electrode array comprising electrodes selectively positioned along said electrode array at different spacings, said spacings being selected to match the positions of the electrodes at least approximately with the locations of said evenly spaced aural receptors.

Amend claim 6 as follows:

6 (Twice Amended). A method of constructing a cochlear electrode array having electrodes for implantation into a cochlea of the patient as part of a cochlear implant system, the patient having aural receptors disposed at equal distances, the method comprising: determining regions of a cochlea where stimulation is desired, including detecting the location of said aural receptors; and positioning all said electrodes along the length of the electrode array in a location or locations that will enable stimulation of the desired site of the cochlea when the electrode array has been inserted, with the spacings between said electrodes being different in one region than the spacing between the electrodes in another region of said array.

Cancel claims 10 and 11.

AMENDED CLAIMS WITH MARKINGS INDICATING CHANGES

Amend the claims as follows:

Amend the remaining claims as follows:

2 (Amended) An electrode array according to claim [1] 13 wherein the spacing between adjacent electrodes is less at an apical end of the electrode array than at a basal end.

3 (Twice Amended). An electrode array according to claim [1] 13 or 2 further comprising one region and another region, said one region having electrodes which are spaced from each other differently to electrodes from said other region of said electrode array.

Amend claim 6 as follows:

6 (Twice Amended). A method of constructing a cochlear electrode array having electrodes for implantation into a cochlea of the patient as part of a cochlear implant system, the patient having aural receptors disposed at equal distances, the method comprising: determining regions of a cochlea where stimulation is desired, including detecting the location of said aural receptors; and positioning all said electrodes along the length of the electrode array in a location or locations that will enable stimulation of the desired site of the cochlea when the electrode array has been inserted, with the spacings between said electrodes being different in one region than the spacing between the electrodes in another region of said array.

Cancel claims 10 and 11.